

INTERNATIONAL SEARCH REPORT

IPC 2005
Application No
PCT/GB 03/03512

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/167 G02F1/1334 G02F1/1337

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 41899 A (MASSACHUSETTS INST TECHNOLOGY) 24 September 1998 (1998-09-24) page 16, line 16 - line 26; figures 3B,C page 19, line 10 - line 17; figures 4C,D page 22, line 27 -page 23, line 4; figure 7A ---	1-5, 19-22, 33,43, 44, 47-50, 52,53
A	US 4 305 807 A (SOMLYODY ARPAD) 15 December 1981 (1981-12-15) cited in the application the whole document --- -/--	1-5, 32, 33, 35, 41, 42, 47-50



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

26 November 2003

Date of mailing of the international search report

03/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Frank, W

INTERNATIONAL SEARCH REPORT

Application No
PCT/GB 03/03512

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TERENT'EV E M: "Moment theory of elasticity and interaction of disclinations in liquid crystals" KRISTALLOGRAFIYA, MARCH-APRIL 1987, USSR, vol. 32, no. 2, pages 288-296, XP009021685 ISSN: 0023-4761 section 3 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

Application No

PCT/GB 03/03512

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9841899	A	24-09-1998	US 5961804 A AU 6759698 A BR 9808277 A CA 2283752 C EP 0968457 A2 JP 2001516467 T TW 459159 B WO 9841899 A2	05-10-1999 12-10-1998 16-05-2000 21-10-2003 05-01-2000 25-09-2001 11-10-2001 24-09-1998
US 4305807	A	15-12-1981	NONE	